SABERTOOTH 990FX V1.0	
Note: The specifications are subject to change without notice.	
CPU	AMD® Socket AM3+ for AMD® FX Series CPU up to 8-core
	Compatible with AMD® Socket AM3 for AMD® Phenom™ II /Athlon™ II /Sempron™ 100 Series Processors
	AMD 140W CPU Support
	AMD Cool 'n' Quiet™ Technology
	Supports 32nm CPU
Chipset	AMD® 990FX/SB950
System Bus	Up to 5.2 GT/s HyperTransport™ 3.0
Memory	4 x DIMM, Max. 32GB, DDR3 1866/1600/1333/1066 MHz, ECC, Non-ECC, un-buffered Memory
	Dual Channel memory architecture
	*Refer to www.asus.com or user manual for the Memory QVL(Qualified Vendors Lists) of AM3+/AM3 CPU.
	**Due to OS limitation, when installing total memory of 4GB capacity or more, Windows® 32-bit operation system may only recognize less than 3GB. Hence, a total installed memory of less than 3GB is recommended.
	***Due to CPU spec., AMD 100 Series CPUs support up to DDR3 1066Mhz. With ASUS design, this motherboard can support up to DDR3 1333MHz.
Expansion Slots	3 x PCI Express 2.0 x16 slots (Dual at x16/x16, triple at x16/x8/x8 mode)*
	1 x PCI Express 2.0 x16 slot (Black@x4)
	1 x PCI Express 2.0 x1 slot
	1 x PCI slot
	*When running dual graphics cards, be sure to insert the card in the first and third PCIex16 slot to get the best
Multi-GPU support	Supports NVIDIA® Quad-GPU SLI™ Technology
	Supports ATI® Quad-GPU CrossFireX™ Technology
Storage	AMD® SB950 Chipset
	- 6 x SATA 6.0 Gb/s ports with RAID 0,1,5 and 10 support
	2 x JMicron® JMB362 SATA controllers:
	- 2 x SATA 3Gb/s ports
	- 1 x Power eSATA 3Gb/s port (green)
	- 1 x eSATA 3Gb/s port (red)
LAN	Realtek® 8111E Gigabit LAN controller
Audio	Realtek® ALC892 8-Channel High Definition Audio CODEC
	- Absolute Pitch 192khz/24bit True BD Lossless Sound
	- BD Audio Layer Content Protection
	- Supports Jack-Detection, Multi-streaming, and Front Panel Jack-Retasking
	- Optical S/PDIF out port at back I/O
	- ASUS Noise Filter
IEEE 1394	VIA® VT6308P controller supports 2 x IEEE 1394a ports (one at mid-board; one at back panel)
USB	2 x ASMedia USB 3.0 controllers
	- 2 x USB 3.0 ports at mid-board for front panel support
	- 2 x USB 3.0 ports at back panel (blue)
	AMD® SB950 Chipset
	- 14 x USB 2.0 ports (4 ports at mid-board, 10 ports at back panel)
Exclusive TUF Features	"Ultimate COOL!" Thermal Solution
	- TUF CeraM!X Heatsink Coating Tech.
	- TUF Thermal Radar
	"TUF ENGINE!" Power Design
	- 8+2 Digital Phase Power Design
	- TUF Components (Alloy choke, Cap. & MOSFET; certified by military-standard)
	- ASUS DIGI+ VRM Utility
	- E.S.P. : Efficient Switching Power Design
	"Safe & Stable!" Guardian Angel
	- ESD Guards
	- MemOK!
	- Anti Surge
Other Special Features	- Front Panel USB 3.0 Support
	- ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface
	- AI Suite II
	- ASUS Q-Connector
	- ASUS Q-Shield
	- ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED)
	- ASUS Q-Slot
	- ASUS Q-DIMM
	- ASUS O.C. Profile
	- ASUS EZ Flash 2
	- ASUS MyLogo 2
	- Multi-language BIOS

Back Panel I/O Ports	1 x PS/2 Keyboard/Mouse combo port
	1 x Optical S/PDIF Output port
	1 x Power eSATA 3Gb/s port (green)
	1 x eSATA 3Gb/s port (red)
	1 x IEEE1394a port
	1 x LAN (RJ45) port
	2 x USB 3.0/2.0 ports (blue)
	10 x USB 2.0/1.1 ports
	8-channel Audio I/O ports
Internal I/O Connectors	1 x USB 3.0/2.0 connector supports additional 2 USB 3.0/2.0 ports (19-pin; moss green)
	2 x USB 2.0/1/1 connectors support additional 4 USB 2.0/1.1 ports
	6 x SATA 6Gb/s connectors (brown)
	2 x SATA 3Gb/s connectors (black)
	1 x CPU Fan connector (4-pin)
	4 x Chassis Fan connectors (3 x 4-pin; 1 x 3-pin)
	1 x CPU Opt fan connectors (4-pin)
	1 x IEEE1394a connector
	Front panel audio connector
	1 x COM connector
	1 x S/PDIF Out header
	24-pin EATX Power connector
	8-pin EATX 12V Power connector
	System Panel (Q-Connector)
	1 x MemOK! button
	1 x Clear CMOS jumper
BIOS	32 Mb Flash ROM, UEFI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.5, ACPI 2.0a, Multi-language BIOS, ASUS EZ Flash 2,
Manageability	WfM 2.0, DMI 2.0, WOL by PME, WOR by PME, PXE
Accessories	4 x Serial ATA 6Gb/s cables
	1 x ASUS SLI bridge connector
	1 x ASUS Q-Shield
	1 x 2 in 1 Q-connector
	1 x TUF Certification card
	1 x TUF 5 Year Warranty manual (by region)
	User's manual
Support DVD	Drivers
	Anti-virus software (OEM version)
	ASUS Update
	ASUS Utilities
Form Factor	ATX Form Factor, 12”x 9.6” (30.5cm x 24.4cm)